

UNITED STATES DEPARTMENT OF AGRICULTURE  
COOPERATIVE STATE RESEARCH SERVICECRS Approved 04-6 0022  
Expires 6/93

## BUDGET

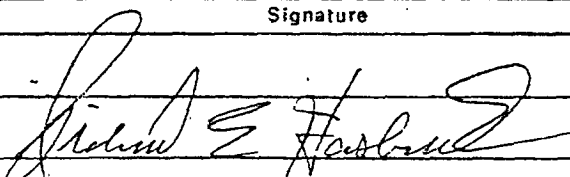
Year 1 (07/01/92 til 06/30/93)			USDA Grant No.		
Organization and Address			Duration Proposed		
Iowa State University Ames, Iowa 50011			Months: 12	Months: 12	Months: 12
Principal Investigator(s)/Project Director(s)			ISU COST SHARED	FUNDS REQUESTED BY PROPOSER	FUNDS APPROVED BY CSRS (If different)
Robert Thornburg					
A. Salaries and Wages	CSRS FUNDED WORK MONTHS				
1. 2 No. of Senior Personnel	Calendar	Academic			
a. 1 (Co-)PI(s)/PD(s)					
b. 1 Senior Associates					
2. No. of Other Personnel (Non-Faculty)					
a. 1 Research Associates/Postdoctorate					
b. Other Professionals					
c. 1 Graduate Students					
d. 2 Prebaccalaureate Students					
e. Secretarial-Clerical					
f. Technical, Shop and Other					
Total Salaries and Wages					
B. Fringe Benefits (If charged as Direct Costs)					
C. Total Salaries, Wages, and Fringe Benefits (A plus B)					
D. Nonexpendable Equipment (Attach supporting data. List items and dollar amounts for each item.)				14,000	
E. Materials and Supplies				12,000	
F. Travel					
1. Domestic (Including Canada)				1,000	
2. Foreign (List destination and amount for each trip)					
G. Publication Costs/Page Charges				11,000	
H. Computer (ADPE) Costs					
I. All Other Direct Costs (Attach supporting data. List items and dollar amounts. Details of subcontracts, including work statements and budget, should be explained in full in proposal.)				18,480	
J. Total Direct Costs (C through I)					
K. Indirect Costs (Specify rate(s) and base(s) for on/off campus activity. Where both are involved, identify itemized costs included in on/off campus bases.) 42% (MTDC) = (J - D) * 0.42					
L. Total Direct and Indirect Costs (J plus K)					
M. Other					
N. Total Amount of this Request					
O. Cost Sharing					
NOTE: Signatures required only for Revised Budget			This is Revision no. >		
Name and Title (Type or print)	Signature		Date		
Principal Investigator/Project Director Robert Thornburg					
Authorized Organizational Representative Richard E. Hasbrook			1-30-92		

2023129019

UNITED STATES DEPARTMENT OF AGRICULTURE  
COOPERATIVE STATE RESEARCH SERVICEOMB Approved 05-04-0022  
Expires 3/92

## BUDGET

Year 2 (07/01/93 til 06/30/94)

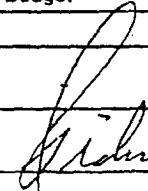
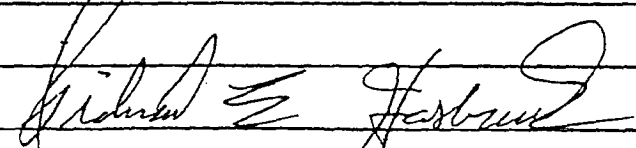
Organization and Address <b>Iowa State University Ames, Iowa 50011</b>			USDA Grant No.		
Principal Investigator(s)/Project Director(s) <b>Robert Thornburg</b>			Duration Proposed Months: <u>12</u>	Duration Proposed Months: <u>12</u>	Duration Proposed Months: <u>12</u>
			ISU COST SHARED	FUNDS REQUESTED BY PROPOSER	FUNDS APPROVED BY CSRS (If different)
A. Salaries and Wages			CSRS FUNDED WORK MONTHS		
1. <u>2</u> No. of Senior Personnel			Calendar	Academic	Summer
a. <u>1</u> (Co)-PI(s)/PD(s)			25%		
b. <u>1</u> Senior Associates			25%		
2. <u>      </u> No. of Other Personnel (Non-Faculty)					
a. <u>1</u> Research Associates/Postdoctorate			100%		
c. <u>      </u> Other Professionals					
c. <u>1</u> Graduate Students					
d. <u>2</u> Prebaccalaureate Students					
e. <u>      </u> Secretarial-Clerical					
f. <u>      </u> Technical, Shop and Other					
<b>Total Salaries and Wages</b>			<b>REDACTED</b>		
B. Fringe Benefits (If charged as Direct Costs)			<b>REDACTED</b>		
C. Total Salaries, Wages, and Fringe Benefits (A plus B)					
D. Nonexpendable Equipment (Attach supporting data. List items and dollar amounts for each item.)				1,400	
E. Materials and Supplies				12,000	
F. Travel					
1. Domestic (Including Canada)				1000	
2. Foreign (List destination and amount for each trip)					
G. Publication Costs/Page Charges				1000	
H. Computer (ADPE) Costs					
I. All Other Direct Costs (Attach supporting data. List items and dollar amounts. Details of subcontracts, including work statements and budget, should be explained in full in proposal.)				18,480	
J. Total Direct Costs (C through I)					
K. Indirect Costs (Specify rate(s) and base(s) for on/off campus activity. Where both are involved, identify itemized costs included in on/off campus bases.) 44% (MTDC) = (J - D) * 0.44			<b>REDACTED</b>		
L. Total Direct and Indirect Costs (J plus K)			<b>REDACTED</b>		
M. Other					
N. Total Amount of this Request					
O. Cost Sharing					
NOTE: Signatures required only for Revised Budget			This is Revision no. <u>      </u>		
Name and Title (Type or print)		Signature		Date	
Principal Investigator/Project Director Robert Thornburg					
Authorized Organizational Representative Richard E. Hasbrook				1-30-92	

Form CSRS-55 (9/89)

2023129020

UNITED STATES DEPARTMENT OF AGRICULTURE  
COOPERATIVE STATE RESEARCH SERVICECMB Approved 0524-0022  
Expires 8/92

## BUDGET

Total Budget (07/01/92 til 06/30/94)				USDA Grant No.		
Organization and Address				Duration Proposed Months: 12	Duration Proposed Months: 12	Duration Proposed Months: 12
Principal Investigator(s)/Project Director(s)				ISU COST SHARED	FUNDS REQUESTED BY PROPOSER	FUNDS APPROVED BY CSRS (if different)
Iowa State University Ames, Iowa 50011						
Robert Thornburg						
A. Salaries and Wages	CSRS FUNDED WORK MONTHS					
1. 2 No. of Senior Personnel	Calendar	Academic	Summer			
a. 1 (Co)-PI(s)/PD(s)	25%			\$	REDACTED	\$
b. 1 Senior Associates	25%					
2. No. of Other Personnel (Non-Faculty)						
a. 1 Research Associates/Postdoctorate	100%				REDACTED	
b. Other Professionals						
c. 1 Graduate Students						
d. 2 Prebaccalaureate Students						
e. Secretarial-Clerical						
f. Technical, Shop and Other						
Total Salaries and Wages						
B. Fringe Benefits (If charged as Direct Costs)					REDACTED	
C. Total Salaries, Wages, and Fringe Benefits (A plus B)						
D. Nonexpendable Equipment (Attach supporting data. List items and dollar amounts for each item.)					15,400	
E. Materials and Supplies					24,000	
F. Travel:						
1. Domestic (Including Canada)					2,000	
2. Foreign (List destination and amount for each trip)						
G. Publication Costs/Page Charges					2,000	
H. Computer (ADPE) Costs						
I. All Other Direct Costs (Attach supporting data. List items and dollar amounts. Details of subcontracts, including work statements and budget, should be explained in full in proposal.)						
J. Total Direct Costs (C through I)						
K. Indirect Costs (Specify rate(s) and base(s) for on/off campus activity. Where both are involved, identify itemized costs included in on/off campus bases.) 42% (MTDC) = (J - D) * 0.42 (0.44 in Year 2)					REDACTED	
L. Total Direct and Indirect Costs (J plus K)						
M. Other						
N. Total Amount of this Request					REDACTED	
O. Cost Sharing						
NOTE: Signatures required only for Revised Budget				This is Revision no. >		
Name and Title (Type or print)		Signature		Date		
Principal Investigator/Project Director Robert Thornburg						
Authorized Organizational Representative Richard E. Hasbrook				1-30-92		

Form CSRS-55 (9/89)

2023129021